TRANSPLANTS

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Manysocopic who make received digar complete watering list, could be eliminated by implementing the following:

- Developing selection criteria to remove patients unlikely to survive with new organs.
- Improving diagnostic and surgical techniques to elim nate the need for many transplants. For instance, 10-75% of heart transplant patients could be taken off the list with the continued development of new surgical techniques.
- Greater emphasis by the health-care industry, government, and individuals on prevention of disease and linury.

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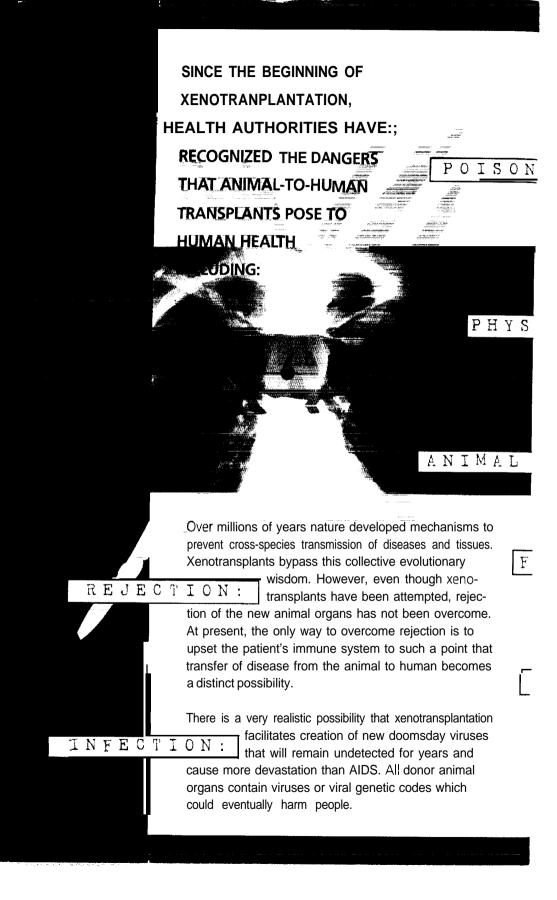
- Be certain you are registered as an organ/tissue donor, carry the appropriate identification card, and convey your wishes to your family and friends
- Ask your representatives in Congress to introduce legislation changing U.S. organ donation policies to include the alternatives listed in this brochure. Call the Federal Information Center at (800) 688-9889 to get the names of your U.S. Senators and Representative. The call is free. Write to your Representative at U.S. House of Representatives, Washington DC 20515, and to your Senators at U.S. Senate, Washington, DC 20510
- Contact the United Network for Organ Sharing (UNOS). Ask them to become more aggressively involved in replacing the current flawed system with better alternatives.

Dr. William W. Pfaff President - UNOS 1100 Boulders Pkwy. Suite 500 Richmond, VA 23225

organ transplants as the reason they are oursumo xenotransplantation; negled to mention things that can be done to avoid the ---of xenotransplants in the first place. Previous parter exclusion (epictor) (et le The focus of research on organ rejection should not be on how to make the hady accent animal are focus should be



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XENOTRANSPLANT MYTHS AND FACTS

The heavy use of drugs to suppress the immune system in xenotransplant recipients will promote toxic

T N G: responses and increased cancer risks. Already, many human-to-human transplant recipients need medical intervention resulting from their reaction to immunosuppressive drugs, These drugs will have to be given in much heavier doses to recipients of xenotransplants, thus leading to even more medical prob-

Animal organs are unlikely to function normally in

I O L O G Y:
human recipients because they are physiologically different. For instance, fibrinogen (a blood clotting agent) is produced by the liver. However, it is unlikely that fibrinogen produced by pig livers will be able to interact properly with human blood platelets, thus causing bleeding disorders in the human recipient.

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WELFARE: Donor animals will be raised under incredibly unnatural conditions.

They will likely be housed in sterile, stainless steel enclosures, having no interaction with other animals.

The costs of xenotransplantation will be astronomical.

INANCIAL: Lifelong drug therapy and periodic hospitalization, as well as

the possibility of treating novel new diseases will strain our already overburdened healthcare system.

Due to the possibility that xenotransplant recipients may pass on life-threatening viruses to friends, family,

LEGAL: and the general public, the medical community needs to determine who is liable

for a xenotransplant related plague.

Myth #1

There are not enough human organs to meet current clinical transplantation demands.

Fact #1

There is no shortage of human organs, in 1994 approximately 16,000 organs were transplanted from 5,100 donors, with 37,600 on the waiting list. The U.S. General Accounting Office (the investigative arm of Congress) identified a potential donor pool of 147,000 — more than enough to meet 1996, 1997, and 1998 clinical needs combined.

Myth #2

Xenotransplantation represents state-of-the-art medical science.

Fact #2

Xenotransplantation of organs remains pre-experimental, with a 100% failure rate. It has however the staggering potential to generate profits between \$20 and \$100 billionfor the biotechnology, pharmaceutical, and medical industries. As a result, xenotransplants hold the possibility of bankrupting our health care system.

Myth #3

Animal organs can act as transplantation "bridges" until human organs are available.

Fact #3

Artificial organs are now available to act as bridges until the number of human donors increases.

Myth #4

Animal organs and tissues are resistant to human diseases.

Fact #4

Xenografts are more likely to act as sources of new, or contribute to the reactivation of old, diseases.

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Viyth #5

Donor animals can be bred to be disease free and safe.

Fact #5

Every cell in all donor animals' bodies contains endogenous retroviral genetic material that cannot be removed by selective breeding or germ-free factory farms. AIDS is caused by a retrovirus that crossed the species barrier from monkeys and apes to humans





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